

Rec'd PCT/TO 08 FEB 2005

10/524015

Attorney Docket No. 1422-0662PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
YOU MUST
COMPLETE THE
FOLLOWING

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

REMEDY

Fill in Appropriate
Information -
For Use Without
Specification
Attached:

the specification of which is attached hereto. If not attached hereto,

the specification was filed on _____ as
United States Application Number _____;
and amended on _____ (if applicable) and/or
the specification was filed on August 6, 2003 as PCT
International Application Number PCT/JP03/09978; and was
amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority
Information:
(if appropriate)

2002-233808	Japan	August 9, 2002	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)		
2003-127518	Japan	May 2, 2003	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)		
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)		
_____	_____	_____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month/Day/Year Filed)		

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional
Application(s):
(if any)

_____	_____
(Application Number)	(Filing Date)
_____	_____
(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Country	Application Number	Date of Filing (Month/Day/Year)
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Insert Requested
Information:
(if appropriate)

_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.
Application(s):
(if any)

_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
_____	_____	_____
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)

I hereby appoint the practitioners at CUSTOMER NO. 2292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 2292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
YOU MUST
COMPLETE
THE
FOLLOWING:

Full Name of First
or Sole Inventor:
Insert Name of
Inventor
Insert Date This
Document is Signed

Insert Residence
Insert Citizenship

Insert Mailing
Address

Full Name of Second
Inventor, if any:
see above

Full Name of Third
Inventor, if any:
see above

Full Name of Fourth
Inventor, if any:
see above

Full Name of Fifth
Inventor, if any:
see above

Full Name of Sixth
Inventor, if any:
see above

GIVEN NAME/FAMILY NAME <u>Tatsuji ENOKI</u>	INVENTOR'S SIGNATURE <u>Tatsuji Enoki</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Kyotanabe-shi, Kyoto 610-0313 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>43, Miyamakinogami, Kyotanabe-shi, Kyoto 610-0313 Japan</u>		
GIVEN NAME/FAMILY NAME <u>Kinuko OGAWA</u>	INVENTOR'S SIGNATURE <u>Kinuko Ogawa</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Otsu-shi, Shiga 520-2134 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>8-8-203, Seta 3-chome, Otsu-shi, Shiga 520-2134 Japan</u>		
GIVEN NAME/FAMILY NAME <u>Hiromu OHNOGI</u>	INVENTOR'S SIGNATURE <u>Hiromu Ohnogi</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Kusatsu-shi, Shiga 525-0025 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>12-1-311, Nishishibukawa 2-chome, Kusatsu-shi, Shiga 525-0025 Japan</u>		
GIVEN NAME/FAMILY NAME <u>Katsumi SUGIYAMA</u>	INVENTOR'S SIGNATURE <u>Katsumi Sugiyama</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Otsu-shi, Shiga 520-2134 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>8-8-210, Seta 3-chome, Otsu-shi, Shiga 520-2134 Japan</u>		
GIVEN NAME/FAMILY NAME <u>Nobuko MURAKI</u>	INVENTOR'S SIGNATURE <u>Nobuko Muraki</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Koka-gun, Shiga 529-1851 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>520, Nagano, Shigaraki-cho, Koka-gun, Shiga 529-1851 Japan</u>		
GIVEN NAME/FAMILY NAME <u>Hiroaki SAGAWA</u>	INVENTOR'S SIGNATURE <u>Hiroaki Sagawa</u>	DATE* <u>Sep. 24, 2004</u>
Residence (City, State & Country) <u>Kusatsu-shi, Shiga 525-0025 Japan</u>		CITIZENSHIP <u>Japan</u>
MAILING ADDRESS (Complete Street Address including City, State & Country) <u>6-32, Nishishibukawa 2-chome, Kusatsu-shi, Shiga 525-0025 Japan</u>		

Full Name of Seventh
Inventor, if any:
see above

7-00

GIVEN NAME/FAMILY NAME Ikunoshin KATO		INVENTOR'S SIGNATURE <i>Ikunoshin Kato</i>	DATE* Sept. 25, 2004
Residence (City, State & Country) Koka-Shi, Shiga 529-1851 Japan		CITIZENSHIP Japan	
MAILING ADDRESS (Complete Street Address including City, State & Country) 1454-15, Naqano, Shiqaraki-cho, Koka-Shi, Shiga 529-1851 Japan			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME/FAMILY NAME		INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
MAILING ADDRESS (Complete Street Address including City, State & Country)			

Full Name of Eighth
Inventor, if any:
see above

Full Name of Ninth
Inventor, if any:
see above

Full Name of Tenth
Inventor, if any:
see above

Full Name of Eleventh
Inventor, if any:
see above

Full Name of Twelfth
Inventor, if any:
see above

Full Name of Thirteenth
Inventor, if any:
see above

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Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET **PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):Tatsuji ENOKI (09/24/2004), Kinuko OGAWA
(09/24/2004), Hiromu OHNOGI (09/24/2004),
Katsumi SUGIYAMA (09/24/2004),

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**2. Name and address of receiving party(ies)**Name: TAKARA BIO INC.

Internal Address: _____

Street Address: _____

4-1, Seta 3-chome,
Otsu-Shi, Shiga
520-2193
JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached: ☐ Yes ☒ No**3. Nature of Conveyance:**☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____**4. Application or patent number(s):**☒

This document is being filed together with a new application.

A. Patent Application No.(s)

NEW

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Marc S. Weiner
BIRCH, STEWART, KOLASCH & BIRCH,
LLP

Internal Address: Atty. Dkt.: 1422-0662PUS1

Street Address: 8110 Gatehouse Rd
Suite 100 East
P.O. Box 747City: Falls ChurchState: VA Zip: 22040-0747Phone Number: (703) 205-8000Fax Number: (703) 205-8050Email Address: mailroom@bskb.com**6. Total number of applications and patents involved:**

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00☐

Authorized to be charged by credit card

☐

Authorized to be charged to deposit account

☒

Enclosed

☐

None required (government interest not affecting title)


8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

February 8, 2005

Date

Marc S. Weiner - 32,181

Name of Person Signing

Total number of pages including cover
sheet, attachments, and documents:

4

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Form PTO-1595	
RECORDATION FORM COVER SHEET (continued)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Nobuko MURAKI (09/24/2004), Hiroaki SAGAWA (09/24/2004), and Ikunoshin KATO (09/25/2004)	
Additional Assignees (2. Continued):	
Assignee Name: _____	
Internal Address: _____	
Street Address: _____	
City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____	
Internal Address: _____	
Street Address: _____	
City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____	
Internal Address: _____	
Street Address: _____	
City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. NEWFiled February 8, 2005Insert Name(s)
of Inventor(s)

*** (FAMILY NAME (ALL CAPS), Given Name) ***

WHEREAS,	ENOKI Tatsuji	OGAWA Kinuko
OHNOGI Hiromu	SUGIYAMA Katsumi	MURAKI Nobuko
SAGAWA Hiroaki	KATO Ikunoshin	

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title
of Invention

REMEDY

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
ApplicationSeptember 24, 2004, September 24, 2004, September 24, 2004,
September 24, 2004, September 24, 2004, September 24, 2004
on and September 25, 2004: respectively; andInsert Name
of AssigneeWHEREAS, TAKARA BIO INC.Insert Address
of Assigneeof 4-1, Seta 3-chome, Otsu-shi, Shiga 520-2193 Japan

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE☐ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

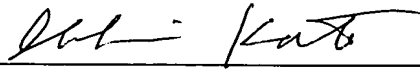
The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>Sep. 24. 2004</u>	Name of Inventor <u>Tatsuy Enoki</u> (signature) ENOKI Tatsuji
Date <u>Sep. 24. 2004</u>	Name of Inventor <u>Kinuko Ogawa</u> (signature) OGAWA Kinuko
Date <u>Sep. 24. 2004</u> H.O	Name of Inventor <u>Hiromu Ohnogi</u> (signature) OHNOGI Hiromu
Date <u>Sep. 24. 2004</u>	Name of Inventor <u>Katsumi Sugiyama</u> (signature) SUGIYAMA Katsumi
Date <u>Sep. 24. 2004</u>	Name of Inventor <u>Nobuko Muraki</u> (signature) MURAKI Nobuko
Date <u>Sep. 24. 2004</u>	Name of Inventor <u>Hiroaki Sagawa</u> (signature) SAGAWA Hiroaki

Date Sept. 25, 2004

Name of Inventor 
(signature) KATO Ikunoshin

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)

Date _____

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(signature)

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(signature)

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Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)